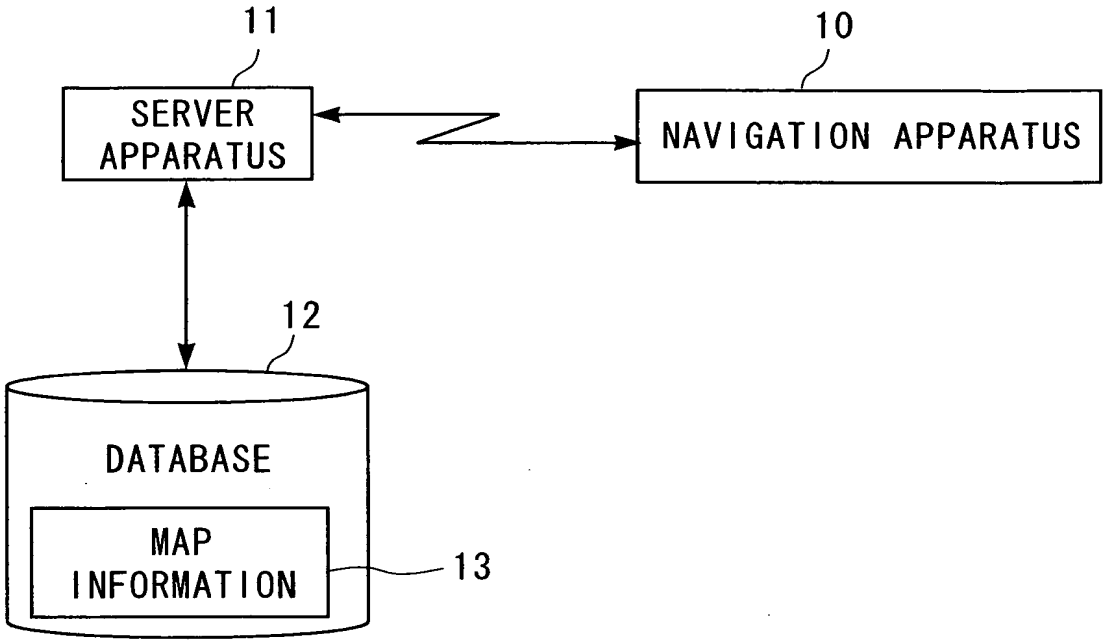
Title: NAVIGATION APPARATUS
AND SERVER APPARATUS
Inventor: Kiyoshi KODANI et al.
Docket Number: 103213-00102

FIG. 1



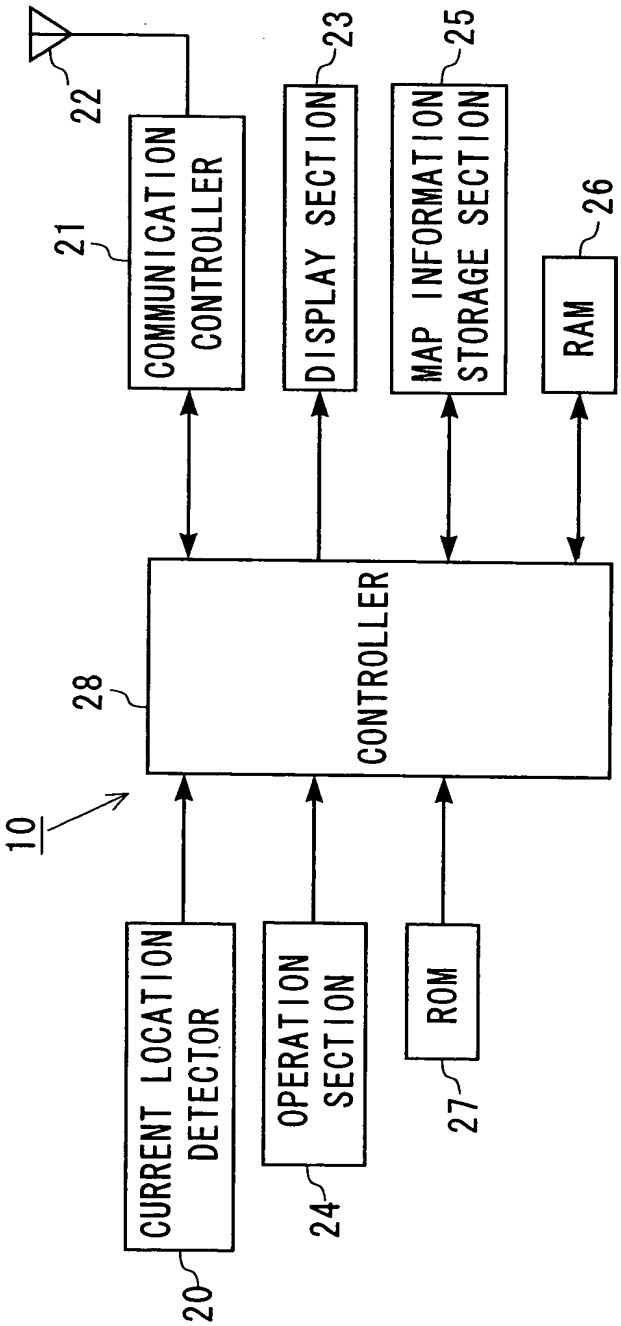

22
21
COMMUNICATION CONTROLLER
23
DISPLAY SECTION
25
MAP INFORMATION STORAGE SECTION
26
RAM
28
CONTROLLER
10
20
CURRENT LOCATION DETECTOR
24
OPERATION SECTION
27
ROM

FIG. 2

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FIG. 3

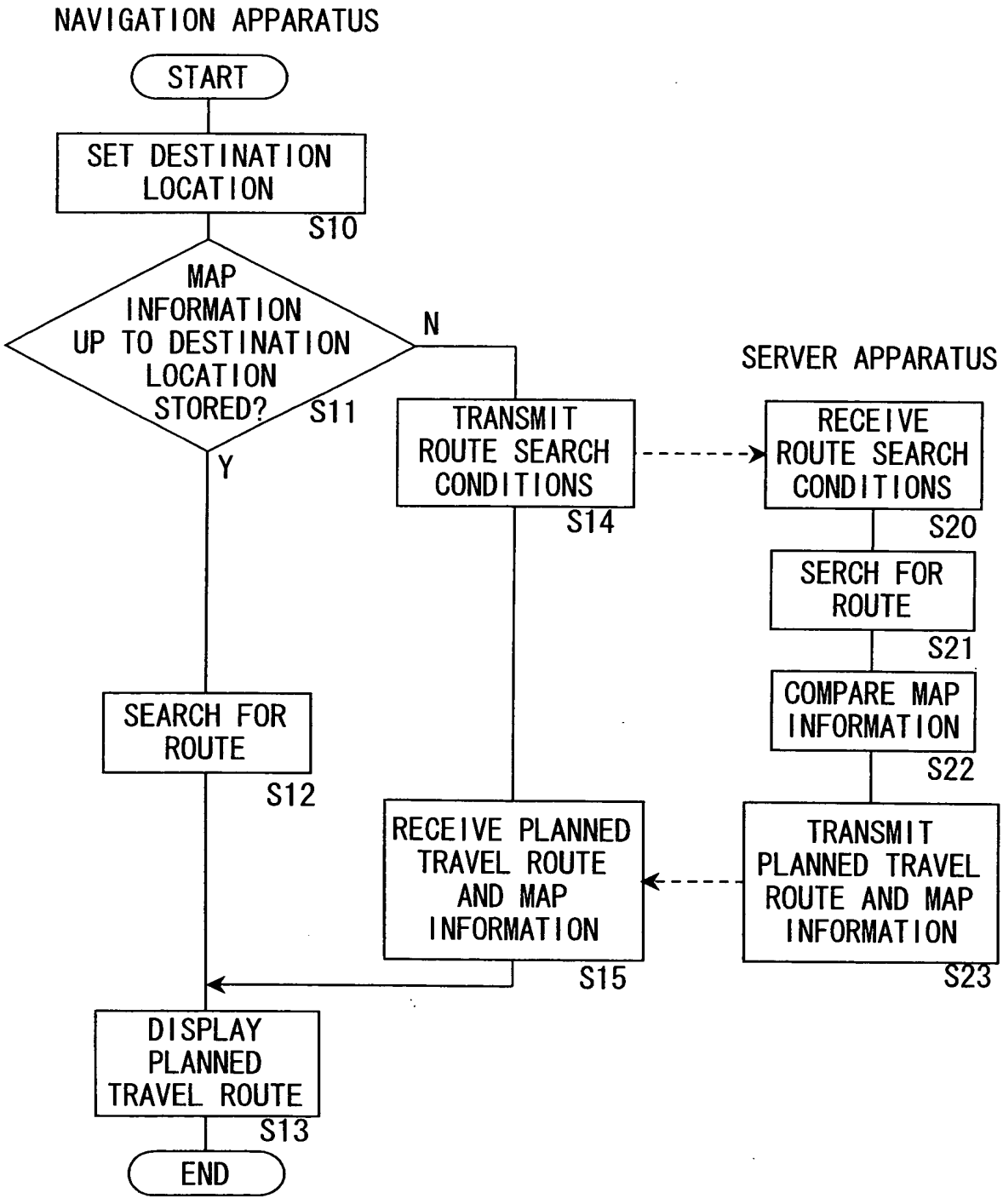

FIG. 4

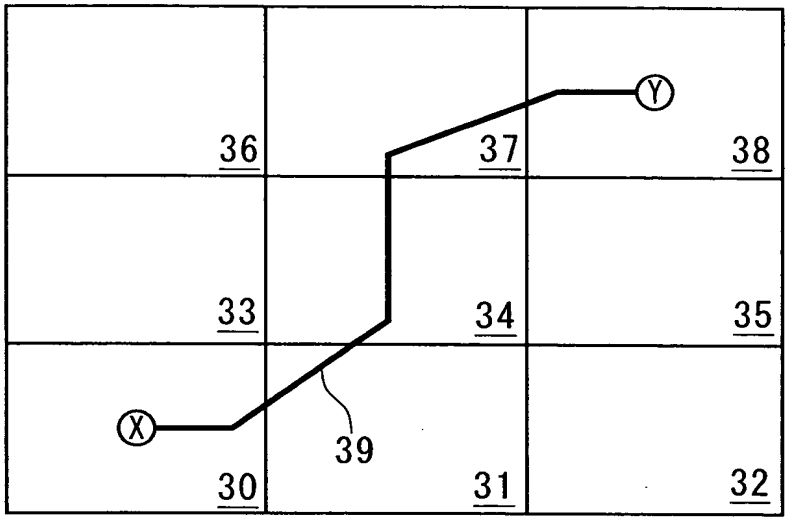

FIG. 5

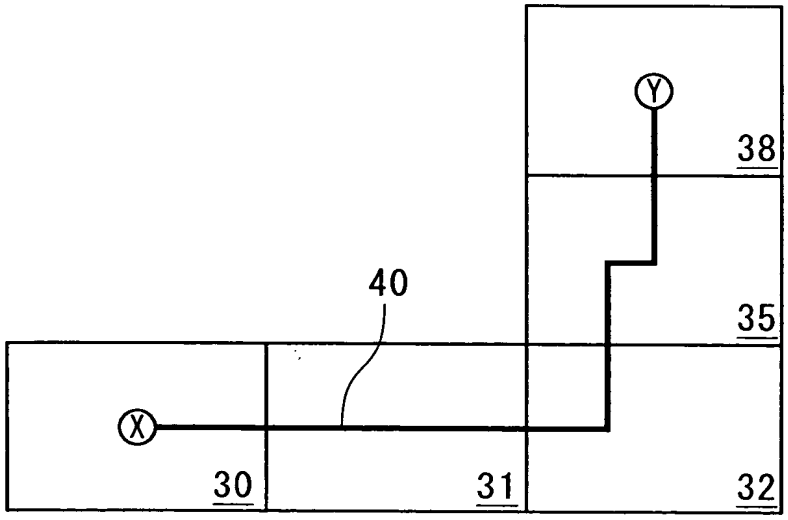

FIG. 6

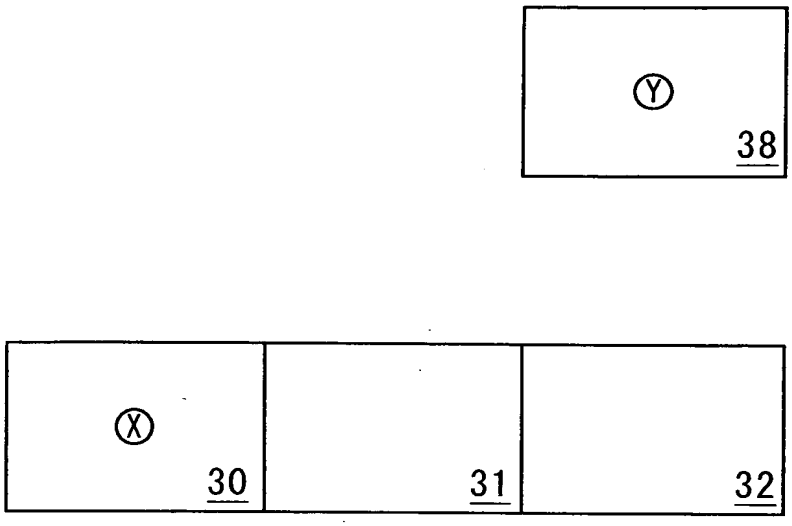

FIG. 7

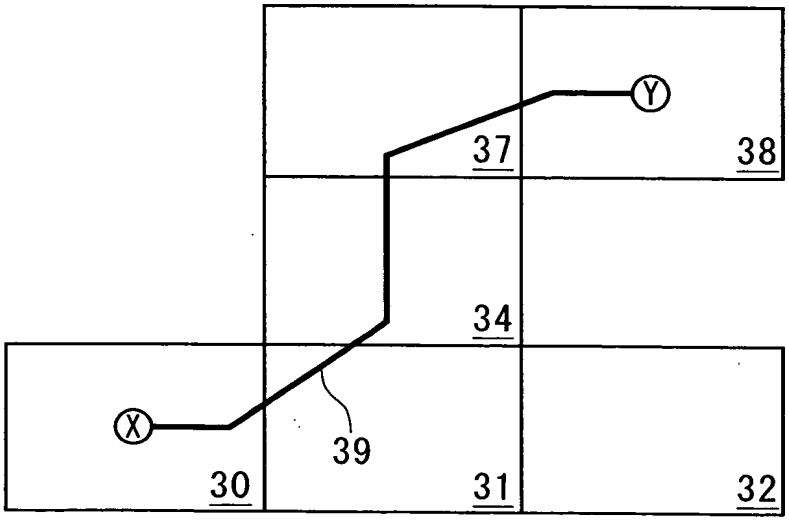

FIG. 8

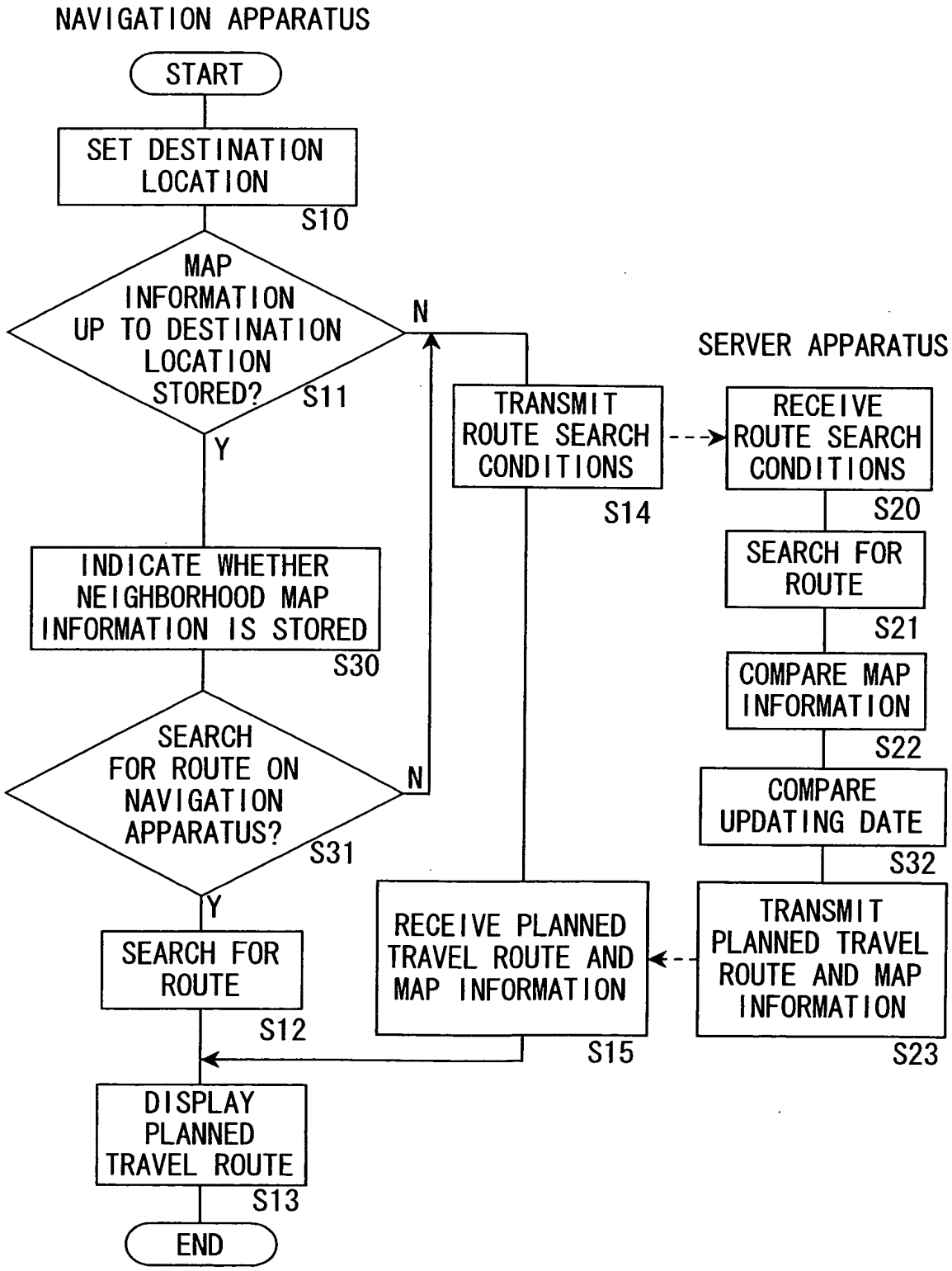
NAVIGATION APPARATUS
START
SET DESTINATION LOCATION
S10
MAP INFORMATION UP TO DESTINATION LOCATION STORED?
S11
N
Y
INDICATE WHETHER NEIGHBORHOOD MAP INFORMATION IS STORED
S30
SEARCH FOR ROUTE ON NAVIGATION APPARATUS?
S31
N
Y
SEARCH FOR ROUTE
S12
DISPLAY PLANNED TRAVEL ROUTE
S13
END
TRANSMIT ROUTE SEARCH CONDITIONS
S14
RECEIVE PLANNED TRAVEL ROUTE AND MAP INFORMATION
S15
SERVER APPARATUS
RECEIVE ROUTE SEARCH CONDITIONS
S20
SEARCH FOR ROUTE
S21
COMPARE MAP INFORMATION
S22
COMPARE UPDATING DATE
S32
TRANSMIT PLANNED TRAVEL ROUTE AND MAP INFORMATION
S23

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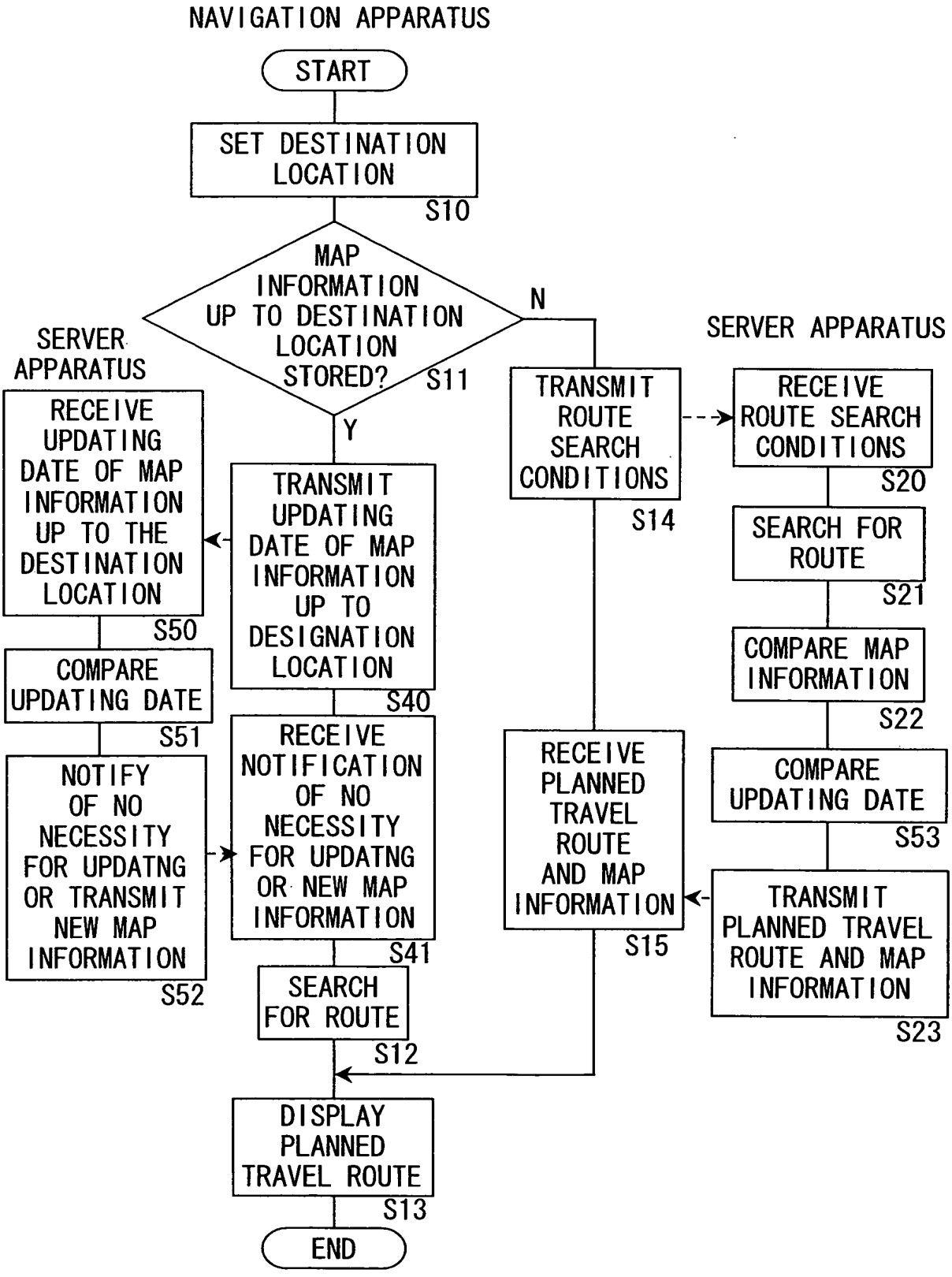
FIG. 9



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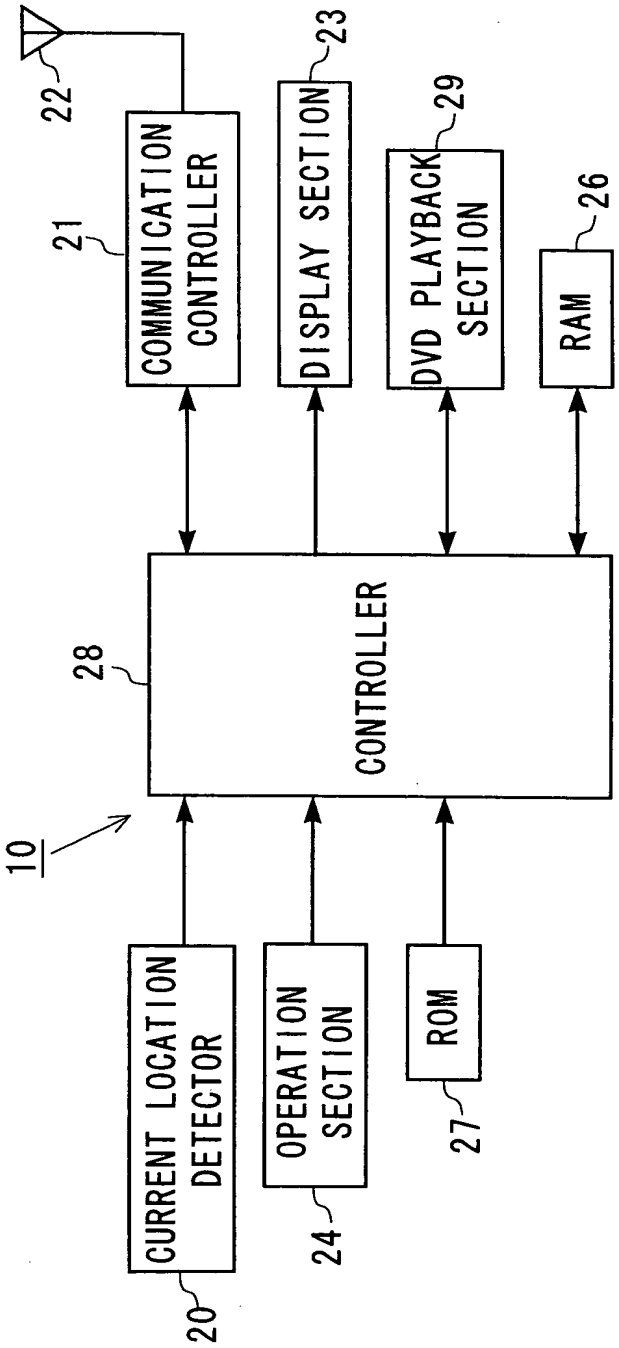

FIG. 10

FIG. 11

		0	1	2	3	4	5
A	TYPE CONDITION A	NO CONDITION	SPORTS	LEISURE	SALES	PACHINKO	EVENTS
B	TYPE CONDITION B	NO CONDITION	MARKETS	GAS STATIONS	SIGHTSEEING SPOTS	RESTAURANTS	
C	LOCATION CONDITION	NO CONDITION	WITHIN PREFECTURE	AROUND CURRENT LOCATION	AROUND DESTINATION LOCATION		
D	DATE-TIME CONDITION	NO CONDITION	VALID TIME	VALID DAY OF WEEK	INVALID DAY OF WEEK		

COMBINATION OF CONDITIONS: (A or B) and C and D

EXAMPLE: N;Japanese Restaurant So-and-So/B4/C;13512,03524/D1;1100,2000/D3;3
(the name of the target of which the information is searched for is Japanese Restaurant So-and-So / its type condition B is restaurants / its location is 135 degrees 12 seconds east longitude and 35 degrees 24 seconds north latitude / it is open from 11:00 to 20:00 / it is closed on Wednesdays)

10/522617
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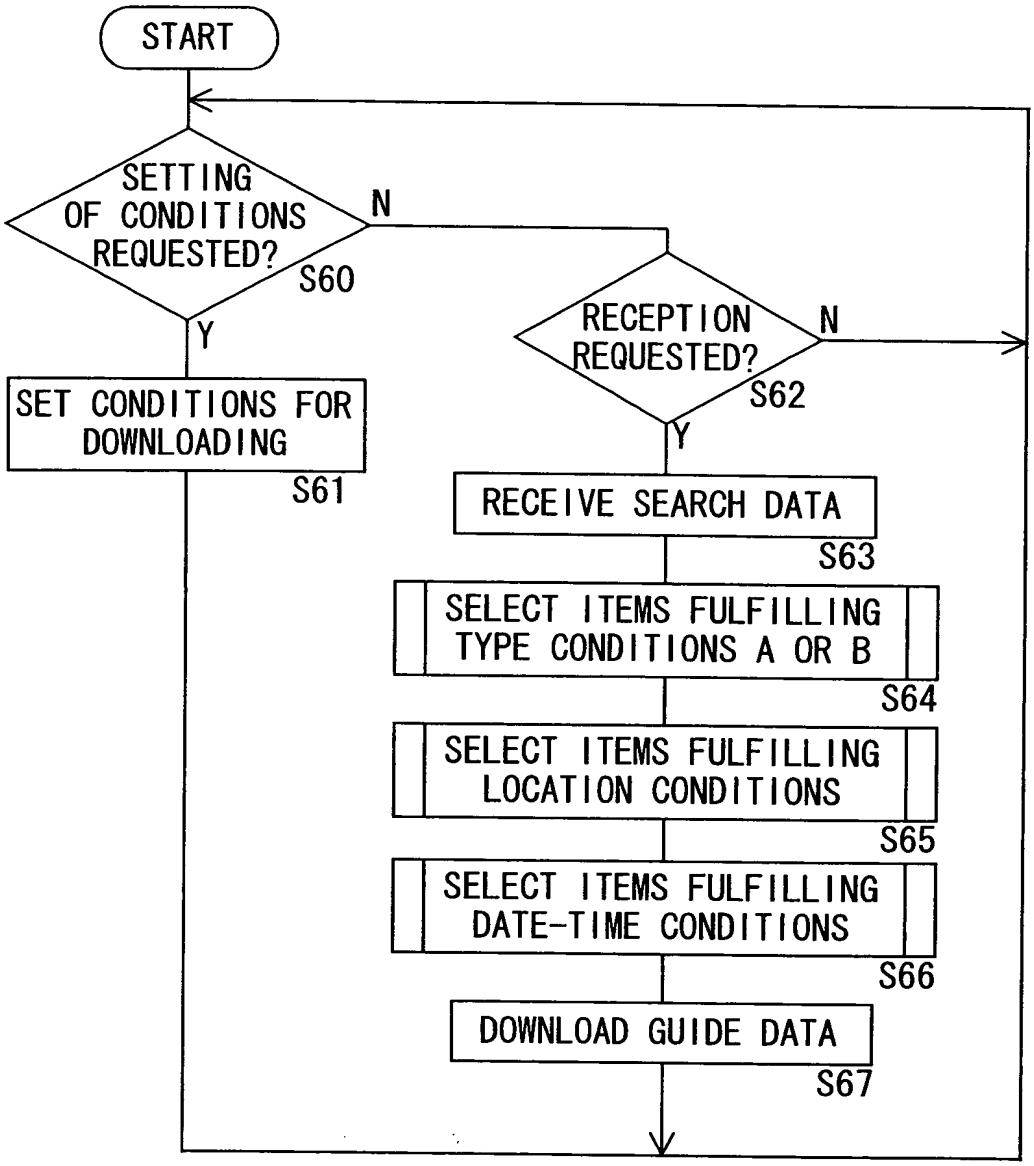
FIG. 12



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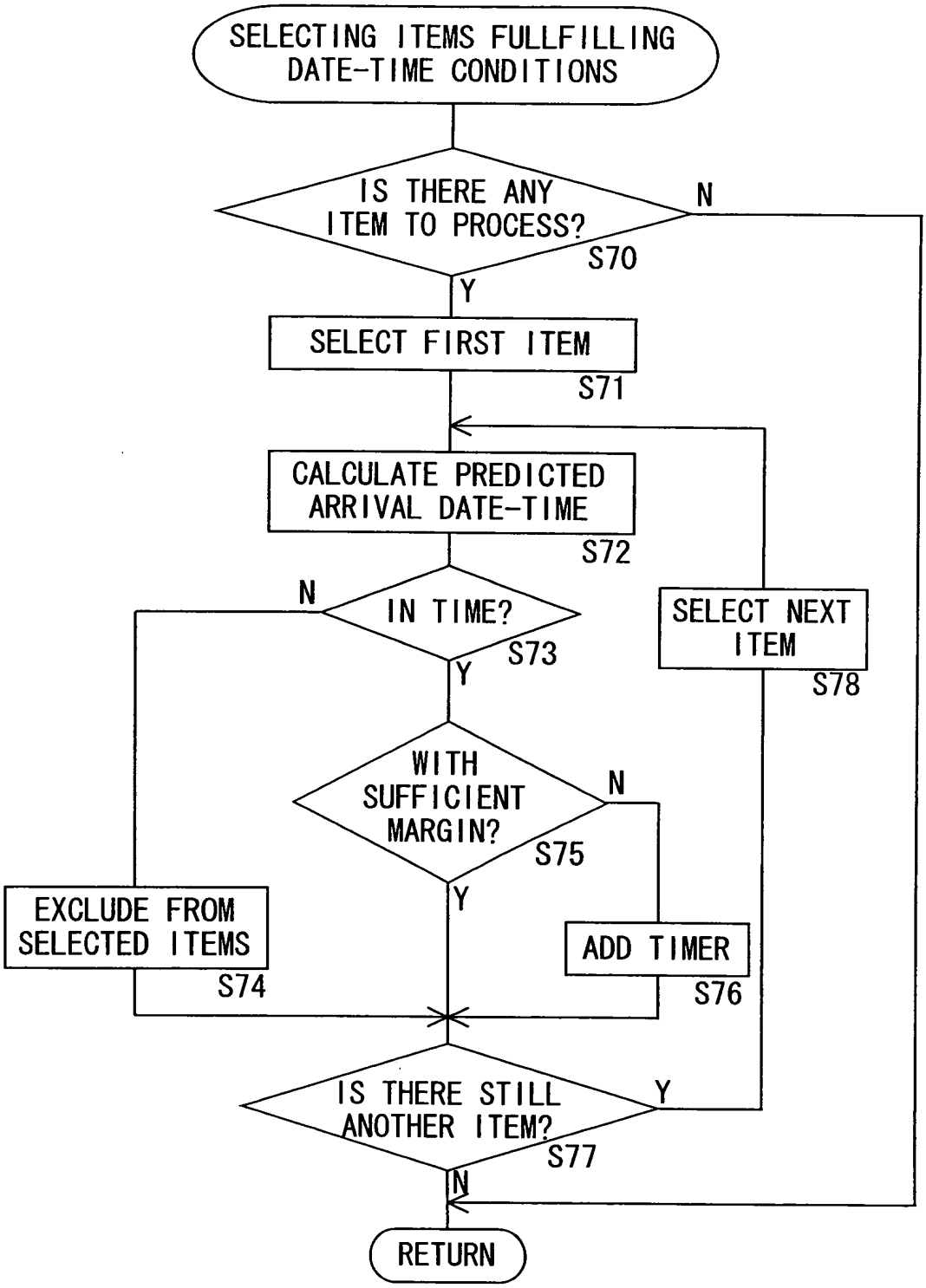
FIG. 13